

Claims

1. Method for routing a data transmission connection between terminal equipment (TE) and a host, which network includes at least two access points (R1, R2, R3) for connection of the terminal equipment to the data transmission network, characterized in that

at least one criterion for the choice of an access point is established,

the access points are evaluated according to said criteria, such at least one access point is chosen which meets said criteria,

and

the data transmission traffic is connected through the chosen at least one access point.

2. Method as defined in claim 1, characterized in that the at least one access point meeting said criteria is chosen in the terminal equipment (TE).

3. Method as defined in claim 1 or 2, characterized in that the at least one access point meeting said criteria is chosen in a gateway exchange (GW).

4. Method as defined in claim 1, characterized in that in the method, in addition

at least one criterion is established for the choice of the transmission capacity of the data transmission of at least two chosen access points,

the chosen access points are evaluated according to said criteria,

the transmission capacity of each chosen access point is chosen

according to the result of the evaluation, and

the data transmission is proportioned between the chosen access points in relation to the chosen transmission capacities.

5. Method as defined in claim 1, characterized in that in the method

at least two access points (R1, R2) are chosen, and

all traffic is connected simultaneously through these at least two chosen access points (R1, R2).

6. Method as defined in claim 1 or 4, characterized in that the access points are estimated constantly.

7. Method as defined in claim 1 or 4, characterized in that the access points are estimated at certain intervals of time.

8. Method as defined in claim 6 or 7, characterized in that the access points are estimated by monitoring the quality of the data transmission.

9. Method as defined in claims 1 - 8, characterized in that
5 the application (APPL) used in the terminal equipment is given reports on the
characteristics of the chosen access point.

10. Method as defined in claim 9, characterized in that the functioning of the application (APPL) is adapted according to the reported characteristics.

10 11 Method as defined in claim 1 or 9, characterized in that
characteristics of the chosen access point are reported to the user.

12. Method as defined in claim 1 or 4, characterized in that at least one criterion is established from the application (APPL) to be used.

13. Method as defined in claim 12, characterized in that
15 at least one access point meeting said criteria is chosen for the individual application.

14. Method as defined in claim 1 or 4, characterized in that of the access points at least one is wireless.

15. Method of routing a data transmission connection between
20 terminal equipment (TE) and a host over a data transmission network in-
cluding at least two access points (R1, R2, R3) for connection of the terminal
equipment to the data transmission network characterized in that

at least one criterion is established for the choice of the data transmission relaying capacity of at least two access points,

25 the access points are estimated in accordance with the criteria,
the relaying capacity of each access point is chosen according to
the results of the estimation, and

the data transmission traffic is proportioned between the access points in relation to the chosen relaying capacities.

30 16. Method as defined in claim 15, characterized in that the access points are estimated according to the criteria in the terminal equipment (TE).

17. Method as defined in claim 15 or 16, characterized in that the access points are estimated according to the criteria in a gateway exchange (GW).

18. Method as defined in claim 15, characterized in that the access points are estimated continuously.

19. Method as defined in claim 15, characterized in that the access points are estimated at certain intervals.

5 20. Method as defined in claim 15, 18 or 19, characterized
in that the access points are estimated by monitoring the quality of the data
transmission.

21. Method as defined in claims 15 - 20, characterized in that characteristics of the access point are reported to the application (APPL) used in the terminal equipment.

22. Method as defined in claim 21, characterized in that the operation of the application (APPL) is adapted in accordance with the reported characteristics.

23. Method as defined in claim 15 or 21, characterized in
15 that characteristics of the access point are reported to the user.

24. Method as defined in claim 15, characterized in that at least one criterion is established from the application (APPL) to be used.

25. Method as defined in claim 15, characterized in that of the access points at least one is wireless.

20 26. Arrangement for routing a data transmission connection between terminal equipment (TE) and a host over a data transmission network, which network includes at least two access points (R1, R2, R3) for connecting the terminal equipment to the data transmission network, characterized in that the arrangement includes

25 a router located in the terminal equipment (TE) for routing the data
transmission through at least one access point at a time.

27. Arrangement as defined in claim 26, characterized in that at least one of the access points is wireless.

28. Arrangement for routing a data transmission connection between terminal equipment (TE) and a host over a data transmission network, which network includes at least two access points (R1, R2, R3) for connecting the terminal equipment to the data transmission network, characterized in that the arrangement includes

35 a router located in the terminal equipment (TE) and in a gateway exchange (GW) for routing the data transmission through at least one access point at a time.

29. Arrangement as defined in claim 28, characterized in that of the access points at least one is wireless.

30. Arrangement for routing a data transmission connection between terminal equipment (TE) and a host over a data transmission network, which network includes at least two access points (R1, R2, R3) for connecting the terminal equipment to the data transmission network, characterized in that the arrangement includes

a router located in a gateway exchange (GW) for routing the data transmission through at least one access point at a time.

10 31. Arrangement as defined in claim 30, characterized in
that of the access points at least one is wireless.